2MiB, 2016x1134, 1608417551548.jpg

View Same Google iqdb SauceNAO Trace

[169 / 47 / 55

SKYKING/ADSB Transmission Information **Anonymous** ID:muoq1W8g Sat 19 Dec 2020 14:46:50 No.297566186

View Reply Original Report

Quoted By: >>297571156 >>297578517 >>297582401 >>297584585 >>297590329 >>297590619 >>297595912 >>297597813 >>297599285 >>297601374 >>297603068 >>297603201 >>297604083 >>297604213 >>297604761 >>297605176 >>297606712 >>297607255 >>297610634 >>297610828 >>297611914

Hey fellas, my intent in this post is to provide a bit of insight into SKYKING transmissions and ADSB/Mode 3/4/5 and Link 16. First a bit of my background, for what it's worth. I'm a SNCO with almost 17 years of active duty service as a 2W1. I've loaded the A-10C, F-15 C, D, and E models, F-16, B-1B, and the MQ-9. I've deployed to shitty hot sand places and have a lot of experience at MAJCOM level intel issues. I am not specifically a micommfag, but I am an armature radio operator for the past 20 years and I THROUGHLY enjoy everything radio… HF all the way through LMR trunking systems. I am NOT an expert at any of this and I am only here to share information I've confirmed over the years from I own experiences and knowledge base and that which was confirmed by various milcommfags I've talked with.

>inb4 reddit spacing
Eat me. This is just how I type

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:47:43 No.297566312 Report

Quoted By: >>297604083 >>297605176 >>297611914

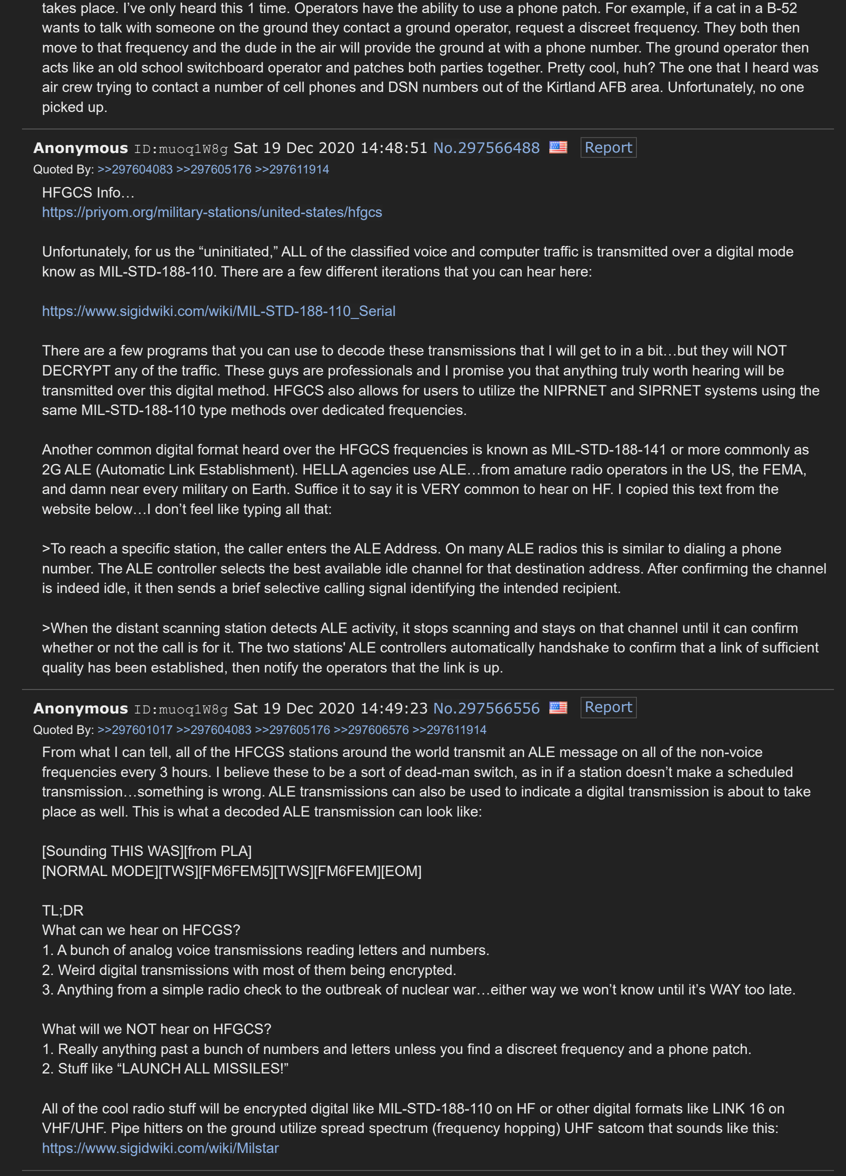
Let's start with SKYKING. There are hella websites about this that explain what it the system is with more words than I care to type. SKYKING, as it is often referred to on /pol/ is officially known as HFGCS, High Frequency Global Communications System. The primary use of the system is to allow the US DoD to coordinate international communication with AF transport, refueling, and long range bomber aircraft. It is also used to liaise the DoD nuclear arsenal across all services. Most of the traffic over HFGCS is analog voice that is used to transmit series of numbers and phonetic letters. Transmissions are usually either directed to specific aircraft or to all listeners on the net. What do these numbers mean? The only individuals that truly know are those that need to. All I can do is provide a bit of info into how they MAY work. Those on the net will have a code book that has 24 hour codes. Each letter and number will correspond with either a line of text in a book or correspond with a matrix that then matches up with info contained elsewhere. Either way, the point is that, without the corresponding books, the information is utterly useless as we here it. This is the same idea used by every other numbers stations used by other countries throughout the world. Numbers stations are another story though. Anyway, like I said earlier, there are hella other websites that go into further detail.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:48:14 No.297566383 Report

Quoted By: >>297604083 >>297605176 >>297611914

As a note, we on /pol/ often get quite excited when there is an uptick in traffic on these nets. However, this often does not correlate to anything in particular. In fact, most operations are often nothing more than training ops. From what I have gathered, there is no outward indication between what is simply a training operation and an actual, no shit, here we fucking go operation.

There are 4 primary analog voice frequencies that we all know: 4724, 8992, 11175, and 15016. All of these are USB (upper side band) with a band-with of 3 khz. The 2 primary frequencies of the system are 8992, and 11175. The others are used based on propagation effects within the ionosphere. You will often hear what sounds like an echo within the transmissions. This is due to the operator transmitting the message over multiple frequencies. About 90% of ground traffic is simulcast on 8992 and 11175. During winter they also simulcast on 4724 and the summer on 15016. Aircraft traffic is usually only transmitted on a singe frequency at a time. This well almost always be on 8992 or 11175. Look, if y'all really want to hear the really traffic then listen for an aircraft asking for a discreet frequency. It is very rare but this is where the "juicy" traffic



takes place. I've only heard this 1 time. Operators have the ability to use a phone patch. For example, if a cat in a B-52 wants to talk with someone on the ground they contact a ground operator, request a discreet frequency. They both then move to that frequency and the dude in the air will provide the ground at with a phone number. The ground operator then acts like an old school switchboard operator and patches both parties together. Pretty cool, huh? The one that I heard was air crew trying to contact a number of cell phones and DSN numbers out of the Kirtland AFB area. Unfortunately, no one picked up.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:48:51 No.297566488 Report

Quoted By: >>297604083 >>297605176 >>297611914

HFGCS Info…
https://priyom.org/military-stations/united-states/hfgcs

Unfortunately, for us the "uninitiated," ALL of the classified voice and computer traffic is transmitted over a digital mode know as MIL-STD-188-110. There are a few different iterations that you can hear here:

https://www.sigidwiki.com/wiki/MIL-STD-188-110_Serial

There are a few programs that you can use to decode these transmissions that I will get to in a bit…but they will NOT DECRYPT any of the traffic. These guys are professionals and I promise you that anything truly worth hearing will be transmitted over this digital method. HFGCS also allows for users to utilize the NIPRNET and SIPRNET systems using the same MIL-STD-188-110 type methods over dedicated frequencies.

Another common digital format heard over the HFGCS frequencies is known as MIL-STD-188-141 or more commonly as 2G ALE (Automatic Link Establishment). HELLA agencies use ALE…from amature radio operators in the US, the FEMA, and damn near every military on Earth. Suffice it to say it is VERY common to hear on HF. I copied this text from the website below…I don't feel like typing all that:

>To reach a specific station, the caller enters the ALE Address. On many ALE radios this is similar to dialing a phone number. The ALE controller selects the best available idle channel for that destination address. After confirming the channel is indeed idle, it then sends a brief selective calling signal identifying the intended recipient.

>When the distant scanning station detects ALE activity, it stops scanning and stays on that channel until it can confirm whether or not the call is for it. The two stations' ALE controllers automatically handshake to confirm that a link of sufficient quality has been established, then notify the operators that the link is up.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:49:23 No.297566556 Report

Quoted By: >>297601017 >>297604083 >>297605176 >>297606576 >>297611914

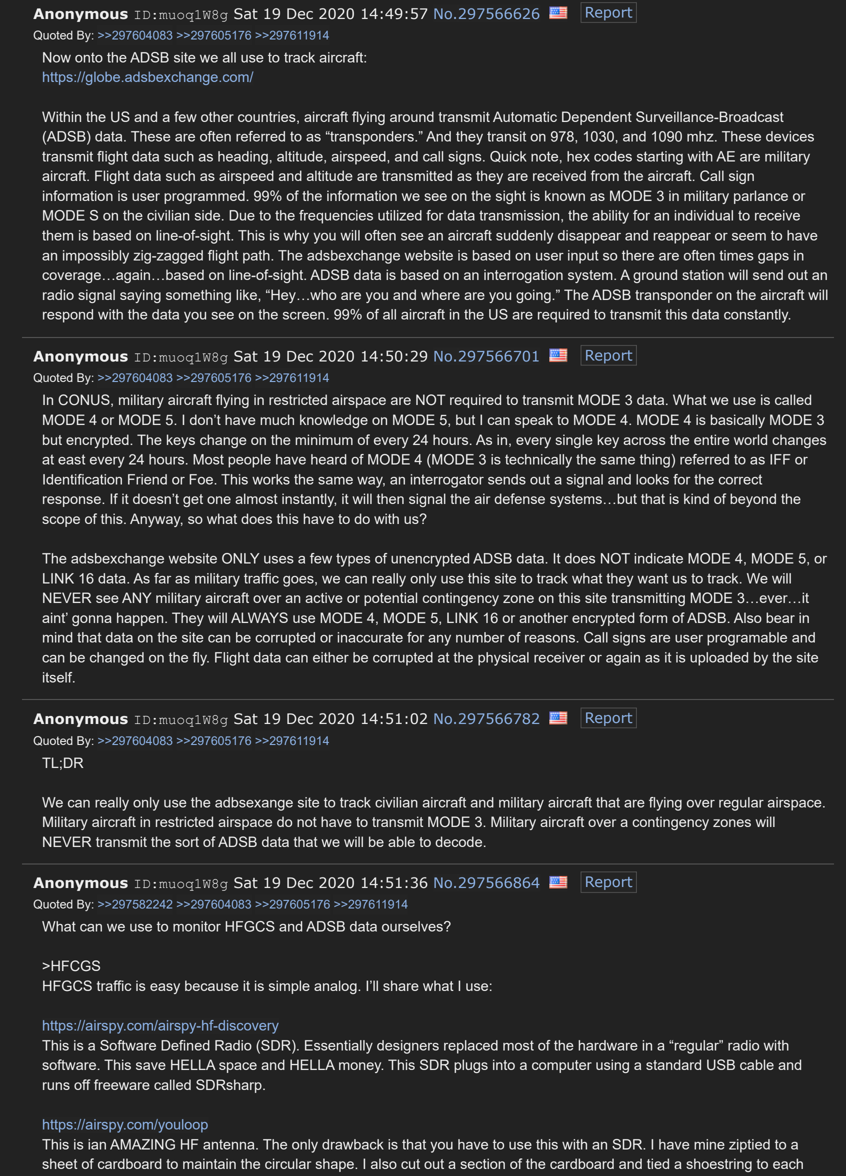
From what I can tell, all of the HFCGS stations around the world transmit an ALE message on all of the non-voice frequencies every 3 hours. I believe these to be a sort of dead-man switch, as in if a station doesn't make a scheduled transmission…something is wrong. ALE transmissions can also be used to indicate a digital transmission is about to take place as well. This is what a decoded ALE transmission can look like:

[Sounding THIS WAS][from PLA]
[NORMAL MODE][TWS][FM6FEM5][TWS][FM6FEM][EOM]

TL;DR
What can we hear on HFCGS?
1. A bunch of analog voice transmissions reading letters and numbers.
2. Weird digital transmissions with most of them being encrypted.
3. Anything from a simple radio check to the outbreak of nuclear war…either way we won't know until it's WAY too late.

What will we NOT hear on HFGCS?
1. Really anything past a bunch of numbers and letters unless you find a discreet frequency and a phone patch.
2. Stuff like "LAUNCH ALL MISSILES!"

All of the cool radio stuff will be encrypted digital like MIL-STD-188-110 on HF or other digital formats like LINK 16 on VHF/UHF. Pipe hitters on the ground utilize spread spectrum (frequency hopping) UHF satcom that sounds like this:
https://www.sigidwiki.com/wiki/Milstar



Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:49:57 No.297566626 Report

Quoted By: >>297604083 >>297605176 >>297611914

Now onto the ADSB site we all use to track aircraft:
https://globe.adsbexchange.com/

Within the US and a few other countries, aircraft flying around transmit Automatic Dependent Surveillance-Broadcast (ADSB) data. These are often referred to as “transponders.” And they transit on 978, 1030, and 1090 mhz. These devices transmit flight data such as heading, altitude, airspeed, and call signs. Quick note, hex codes starting with AE are military aircraft. Flight data such as airspeed and altitude are transmitted as they are received from the aircraft. Call sign information is user programmed. 99% of the information we see on the sight is known as MODE 3 in military parlance or MODE S on the civilian side. Due to the frequencies utilized for data transmission, the ability for an individual to receive them is based on line-of-sight. This is why you will often see an aircraft suddenly disappear and reappear or seem to have an impossibly zig-zagged flight path. The adsbexchange website is based on user input so there are often times gaps in coverage…again…based on line-of-sight. ADSB data is based on an interrogation system. A ground station will send out an radio signal saying something like, “Hey…who are you and where are you going.” The ADSB transponder on the aircraft will respond with the data you see on the screen. 99% of all aircraft in the US are required to transmit this data constantly.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:50:29 No.297566701 Report

Quoted By: >>297604083 >>297605176 >>297611914

In CONUS, military aircraft flying in restricted airspace are NOT required to transmit MODE 3 data. What we use is called MODE 4 or MODE 5. I don’t have much knowledge on MODE 5, but I can speak to MODE 4. MODE 4 is basically MODE 3 but encrypted. The keys change on the minimum of every 24 hours. As in, every single key across the entire world changes at east every 24 hours. Most people have heard of MODE 4 (MODE 3 is technically the same thing) referred to as IFF or Identification Friend or Foe. This works the same way, an interrogator sends out a signal and looks for the correct response. If it doesn’t get one almost instantly, it will then signal the air defense systems…but that is kind of beyond the scope of this. Anyway, so what does this have to do with us?

The adsbexchange website ONLY uses a few types of unencrypted ADSB data. It does NOT indicate MODE 4, MODE 5, or LINK 16 data. As far as military traffic goes, we can really only use this site to track what they want us to track. We will NEVER see ANY military aircraft over an active or potential contingency zone on this site transmitting MODE 3…ever…it aint’ gonna happen. They will ALWAYS use MODE 4, MODE 5, LINK 16 or another encrypted form of ADSB. Also bear in mind that data on the site can be corrupted or inaccurate for any number of reasons. Call signs are user programable and can be changed on the fly. Flight data can either be corrupted at the physical receiver or again as it is uploaded by the site itself.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:51:02 No.297566782 Report

Quoted By: >>297604083 >>297605176 >>297611914

TL;DR

We can really only use the adbsexange site to track civilian aircraft and military aircraft that are flying over regular airspace. Military aircraft in restricted airspace do not have to transmit MODE 3. Military aircraft over a contingency zones will NEVER transmit the sort of ADSB data that we will be able to decode.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 14:51:36 No.297566864 Report

Quoted By: >>297582242 >>297604083 >>297605176 >>297611914

What can we use to monitor HFGCS and ADSB data ourselves?

>HFCGS
HFGCS traffic is easy because it is simple analog. I’ll share what I use:

https://airspy.com/airspy-hf-discovery
This is a Software Defined Radio (SDR). Essentially designers replaced most of the hardware in a “regular” radio with software. This save HELLA space and HELLA money. This SDR plugs into a computer using a standard USB cable and runs off freeware called SDRsharp.

https://airspy.com/youloop
This is ian AMAZING HF antenna. The only drawback is that you have to use this with an SDR. I have mine ziptied to a sheet of cardboard to maintain the circular shape. I also cut out a section of the cardboard and tied a shoestring to each

end so I can hang the whole setup from a tree.

>ADSB

https://airspy.com/download
ADSB Spy for the raw data processing:

https://www.virtualradarserver.co.uk/
to display the data on a map…you can basically get the same output as o the adsbexchange website.

https://airspy.com/airspy-mini
An amazing little SDR…I know it seems like I'm shilling for Airspy…I just use the hell out of them because they are relatively cheap and hella good.

https://www.theantennafarm.com/catalog/diamond-srh789-4979
Decent, well priced wide band antenna…

My intent with this post isn't to shit all over everyone's fun. I just see a lot of confusion and I hope to just clear some of it up. Thanks for reading all of this junk!

Anonymous ID:Td9qjkfp Sat 19 Dec 2020 14:53:35 No.297567148 Report
Quoted By: >>297569651

Yo uh loose lips there mate

View Same Google iqdb SauceNAO Trace 1607140094164.jpg, 43KiB, 631x663

Anonymous ID:zRZwAeiT Sat 19 Dec 2020 15:05:02 No.297568753 Report
Quoted By: >>297571153

Neat stuff. I'll screencap and save, but we'll see if you're LARPing or not soon enough

---

Anonymous ID:78dn5dsv Sat 19 Dec 2020 15:08:14 No.297569195 Report
Quoted By: >>297569846

interesting thread. thanks OP! is there anything is particular you would recommend watching out for on civilian frequencies to tell if shit is hitting the fan?

---

r0ach ID:DvYSN3/L Sat 19 Dec 2020 15:11:45 No.297569651 Report
Quoted By: >>297570205

>>297567148
>Yo uh loose lips there mate

Right when I first started reading I was like "is this guy attempting to debrief the Chinese?"

Anonymous ID:muoq1W8g Sat 19 Dec 2020 15:13:04 No.297569846 Report
Quoted By: >>297604083

>>297569195
That's kind of hard to answer. As far as "big picture" stuff goes, I can't really give you a decent answer past monitoring local PDs and what not.

There is a lot of traffic on HF.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 15:15:58 No.297570205 Report
Quoted By: >>297604083

>>297569651
I understand your concern. With that said, everything here is unclassified. It is just a conglomeration of my own first-hand knowledge I gathered just listening to my own set up and public information from the internet.

I have now idea what any of the letters or numbers correlate to and If I did, I wouldn't post it here...

I'm just some schmuck that is paying attention. Anyone else with the set up I mentioned here can come to the same conclusions.

Anonymous ID:otifPUrj Sat 19 Dec 2020 15:22:55 No.297571153 Report

Quoted By: >>297572440

>>297568753
>we'll see if you're LARPing or not soon enough
Uh... That's not a larp. It's generic technical information that will let you do what all us cool kids do regularly.

View Same | Google | iqdb | SauceNAO | Trace | 9daf09f7d9a60ea250e0ff90e8fd6daa (...).png, 1MiB, 867x786

Anonymous ID:MwsB7qcM Sat 19 Dec 2020 15:22:57 No.297571156 Report

>>297566186
Doing God's work son. Thanks for the info.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 15:31:54 No.297572440 Report

Quoted By: >>297572719 >>297574427 >>297604083

>>297571153
Honestly, I just figured this would be a good place to post this info. Everyday there is a SKYKING thread and a lot of confusion as to what is actually going on.

Anonymous ID:otifPUrj Sat 19 Dec 2020 15:34:01 No.297572719 Report

Quoted By: >>297574427

>>297572440
This is a good place to post that info. Though it seems like SkyKing threads are not abundant enough.

Anonymous ID:otifPUrj Sat 19 Dec 2020 15:46:05 No.297574427 Report

>>297572440
>>297572719
...not a lot of interaction, and such.

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 16:07:46 No.297577418 Report

Bump

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 16:10:14 No.297577779 Report

Quoted By: >>297578607

That was close. Sorry about arriving late. This is a goldmine of potential info and I might end up putting it into an easier to digest infographic that will go into the skyking threads. That is, if you don't mind anon.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:13:08 No.297578201 Report

Quoted By: >>297580741 >>297604083

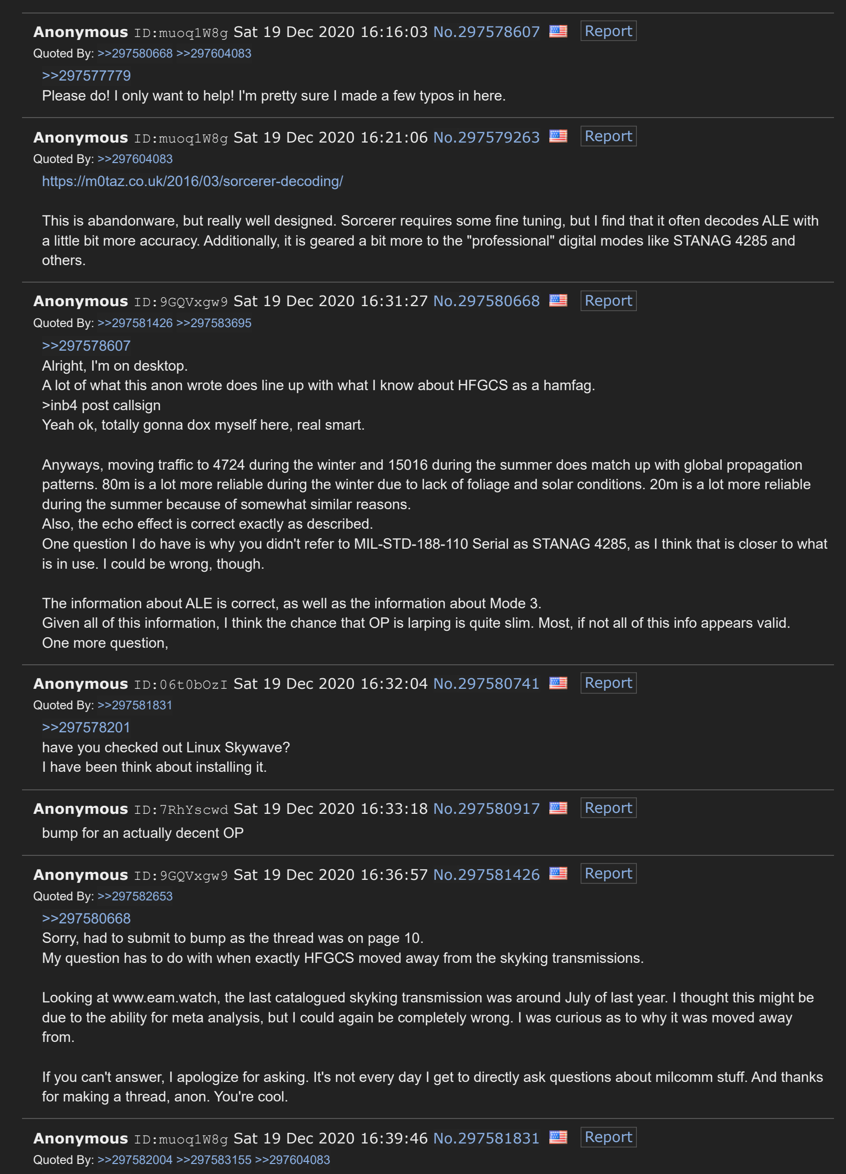
I almost forgot to mention the software for ALE and 188-110.

http://f6cte.free.fr/index_anglais.htm

Desu, this has a terrible user interface but it is VERY effective at decode a large number of digital transmissions. IT has a steep learning curve, but once you get the hang of it, the software works amazing. This is what I use for the majority of my decoding. Their is a free version, but if you get serious about all this, pay the $40 and get the full version.

Anonymous ID:ZWQBDgeo Sat 19 Dec 2020 16:15:25 No.297578517 Report

>>297566186
Sweet bump anon



Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:16:03 No.297578607 Report
Quoted By: >>297580668 >>297604083

>>297577779
Please do! I only want to help! I'm pretty sure I made a few typos in here.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:21:06 No.297579263 Report
Quoted By: >>297604083

https://m0taz.co.uk/2016/03/sorcerer-decoding/

This is abandonware, but really well designed. Sorcerer requires some fine tuning, but I find that it often decodes ALE with a little bit more accuracy. Additionally, it is geared a bit more to the "professional" digital modes like STANAG 4285 and others.

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 16:31:27 No.297580668 Report
Quoted By: >>297581426 >>297583695

>>297578607
Alright, I'm on desktop.
A lot of what this anon wrote does line up with what I know about HFGCS as a hamfag.
>inb4 post callsign
Yeah ok, totally gonna dox myself here, real smart.

Anyways, moving traffic to 4724 during the winter and 15016 during the summer does match up with global propagation patterns. 80m is a lot more reliable during the winter due to lack of foliage and solar conditions. 20m is a lot more reliable during the summer because of somewhat similar reasons.
Also, the echo effect is correct exactly as described.
One question I do have is why you didn't refer to MIL-STD-188-110 Serial as STANAG 4285, as I think that is closer to what is in use. I could be wrong, though.

The information about ALE is correct, as well as the information about Mode 3.
Given all of this information, I think the chance that OP is larping is quite slim. Most, if not all of this info appears valid.
One more question,

Anonymous ID:06t0bOzI Sat 19 Dec 2020 16:32:04 No.297580741 Report
Quoted By: >>297581831

>>297578201
have you checked out Linux Skywave?
I have been think about installing it.

Anonymous ID:7RhYscwd Sat 19 Dec 2020 16:33:18 No.297580917 Report

bump for an actually decent OP

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 16:36:57 No.297581426 Report
Quoted By: >>297582653

>>297580668
Sorry, had to submit to bump as the thread was on page 10.
My question has to do with when exactly HFGCS moved away from the skyking transmissions.

Looking at www.eam.watch, the last catalogued skyking transmission was around July of last year. I thought this might be due to the ability for meta analysis, but I could again be completely wrong. I was curious as to why it was moved away from.

If you can't answer, I apologize for asking. It's not every day I get to directly ask questions about milcomm stuff. And thanks for making a thread, anon. You're cool.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:39:46 No.297581831 Report
Quoted By: >>297582004 >>297583155 >>297604083

>>297580741
I don't know too much about it desu. Up until about a year ago, I've almost exclusively used not much more than a scanner to monitor UHF milair and trunked LMR traffic.

I recently came into position of my HF gear...childhood dream type stuff. With that said, I really only know a lot about the 2 software suites I mentioned in the post.

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 16:41:00 No.297582004 🇺🇸 Report
Quoted By: >>297584874

>>297581831
Oh neat! Can you post your setup anon?

Anonymous ID:GnEubz0X Sat 19 Dec 2020 16:42:47 No.297582242 🇺🇸 Report
Quoted By: >>297582763

>>297566864
You can build an ADS-B receiver with a Raspberry Pi. I use one I built myself when I fly. Works great.

View Same Google iqdb SauceNAO Trace noaa15.12.16.2020.am.jpg, 559KiB, 1040x1035

Anonymous ID:xxG+TKov Sat 19 Dec 2020 16:43:56 No.297582401 🇺🇸 Report
Quoted By: >>297588104 >>297598695 >>297603775

>>297566186
did my lat post not work, strange
anyways I just wanted to thank you for the thread and I hope more anons get interested in this sort of thing.
I already track aprs, adsb, flex and pocsag pagers, and of course weather satellites in LEO.
my little discone gets quite the workout
next on my list in HF once I get some extra cash

Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:45:55 No.297582653 🇺🇸 Report
Quoted By: >>297604083

>>297581426
From what I've seen, all of this is just a matter of time spent monitoring. In the interest of full disclosure, I only know the general overview of HFGCS and understand the "how" from a military perspective from my time spent in the service and prior knowledge from being a hamfag. Unfortunately, I don't know who callsigns like MAINSAIL correspond to. I do know that there are documents available that list the individual aircraft call signs.

EAM watch is just like any other site, ya know? It is all based on user input. This is literally, a worldwide system based out of Andrews AFB. There very well could be SKYKING messages that I do not hear from my location.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:46:41 No.297582763 🇺🇸 Report
Quoted By: >>297604083

>>297582242
I'm familiar with this. Sounds like a great idea!

Anonymous ID:06t0bOzI Sat 19 Dec 2020 16:49:38 No.297583155 🇺🇸 Report

>>297581831
Skywave is an free operating system designed for SDR.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 16:53:32 No.297583695 🇺🇸 Report
Quoted By: >>297584816 >>297604083

>>297580668
188-110 and 4285 are different formats. From what I have seen on my own SDR, 4285 is mostly used by naval forces and transmissions remain constant for long periods of time. This would indicate its primary use as data transfer.

188-110 is also used for data but is also used for voice transmissions.

I hear way more 4285 than I do 188-110.

Anonymous ID:Ui7SmECs Sat 19 Dec 2020 16:59:47 No.297584585 🇯🇵 Report

>>297566186
>2W1
nonners of the MX world.

View Same Google iqdb SauceNAO Trace file.png, 878KiB, 743x924

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 17:01:29 No.297584816 🇺🇸 Report

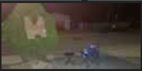
Quoted By: >>297586172

>>297583695
Thanks for answering, You're probably right on that. I might have just been listening during a time where there was more 4285.

And I really hate to ask, but did you happen to hear pic related when it happened? I remember reading about it the next morning but I never caught it live. Who in the world had a powerful enough transmitter to override HFGCS?

And I'm just going to assume that whoever did it got vanned or at least a very unpleasant knock on the door.

View Same Google iqdb SauceNAO Trace signal-2020-08-14-224342 (1).jpg, 1MiB, 4032x1908



Anonymous ID:muoq1W8g Sat 19 Dec 2020 17:01:58 No.297584874 🇺🇸 Report

Quoted By: >>297585203 >>297585285 >>297587011 >>297604083

>>297582004
Sure, I fear that after all that info I just spat out that it will appear quite underwhelming. IN any case, it was al less than about $250 and it works amazing. I would recommend it to anyone!

View Same Google iqdb SauceNAO Trace signal-2020-08-14-224342.jpg, 1MiB, 4032x1908

Anonymous ID:muoq1W8g Sat 19 Dec 2020 17:04:13 No.297585203 🇺🇸 Report

Quoted By: >>297588402 >>297603616 >>297604083

>>297584874
That first pic was terrible...

Here...let's try it again.

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 17:05:03 No.297585285 🇺🇸 Report

Quoted By: >>297586547

>>297584874
Nice! I have a similar setup with a SDR, but I'm working on getting some better hardware eventually after the pandemic. It's a nice upgrade from relying on University of Twente's SDR. 2m loop antenna?

Anonymous ID:muoq1W8g Sat 19 Dec 2020 17:11:36 No.297586172 🇺🇸 Report

Quoted By: >>297587194 >>297604083

>>297584816
I did hear about that. Desu, it wouldn't be all that hard to pull off. If the transmitter was close enough to who ever received this then it would take more than a watt or 2. My first reaction to this is that it is most likely staged. Unless someone was ready with the right software to decode the SSTV then I doubt anyone would be able to catch something like this. I mean, it's possible that someone got lucky enough to either have everything set up to catch it live or perhaps from a recording, but it seems easier that someone could just set up a small homemade AM transmitter next to a receiver...but that is only my opinion.

Whatever the case, real or not, if an individual just did this once then the odds of them getting caught would be very slim.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 17:14:35 No.297586547 🇺🇸 Report

Quoted By: >>297587194 >>297588287 >>297604083

>>297585285
It REALLY is! I got into webSDRs when I was stationed in Korea. The ROK jams DPRK radio transmissions and it really pissed me off so I went out and found ways to get around the jamming.

If you want, you can download the SDRsharp program and use it to access other webSDRs. I do this when I don't feel like setting all my stuff up...and it's free.

Anonymous `ID:KYHZfJrq` Sat 19 Dec 2020 17:17:47 No.297587011 Report

Quoted By: >>297587165

>>297584874
Dude, is that Holloman?

Anonymous `ID:Hh5hUhTU` Sat 19 Dec 2020 17:18:59 No.297587165 Report

>>297587011
i was trihnking that or DM

Anonymous `ID:9GQVxgw9` Sat 19 Dec 2020 17:19:11 No.297587194 Report

Quoted By: >>297590478 >>297594997

>>297586547
Oh wow! I didn't know about that feature. I've been using SDRSharp for a few years though.

Do you know about KiwiSDRs? They're connected to the internet usually, and most people leave theirs open. It's so useful that the pirate radio community banned anyone from using them because the FCC were using them as OSINT to triangulate pirate operators.

https://www.hfunderground.com/board/index.php/topic,44533.0.html

>>297586172
I never considered the possibility that it could have been faked. Nice catch. With how clear the signal is, I think that's possible.
I might try to go dig up some info from the archives if I get curious enough about it.

Anonymous `ID:otifPUrj` Sat 19 Dec 2020 17:26:07 No.297588104 Report

Quoted By: >>297590258

>>297582401
The weather sat downfeeds is something I'd really like to get into. I tend to cycle through hobbies though, and right now, I'm on a "melt bulk junk jew lery and refine it to perfectly separated elements"-kick... But I suspect that Tin is going to be the very next craze, now that nobody is really into the electrical banana anymore.

Anonymous `ID:9GQVxgw9` Sat 19 Dec 2020 17:27:24 No.297588287 Report

Quoted By: >>297590173

>>297586547
Oh, and how bad is the Firedrake jamming near Korea? Is it broadcast in a radius or is it broadcast directionally towards Taiwan?

Anonymous `ID:otifPUrj` Sat 19 Dec 2020 17:28:10 No.297588402 Report

Quoted By: >>297589900

>>297585203
What SDR software are you using? You have any recomendation for one that works well on a RasPI, with HakRF?.

Anonymous `ID:9GQVxgw9` Sat 19 Dec 2020 17:37:46 No.297589662 Report

Bump

Anonymous `ID:muoq1W8g` Sat 19 Dec 2020 17:39:29 No.297589900 Report

Quoted By: >>297604083

>>297588402
I use SDRsharp exclusively. Desu, I am not a computer expert but you could try this:

https://hackaday.com/2019/12/20/all-your-sdr-software-in-a-handy-raspberry-pi-image/

Anonymous `ID:muoq1W8g` Sat 19 Dec 2020 17:41:36 No.297590173 Report

Quoted By: >>297604083

>>297588287

I heard it a bit, but I wasn't paying that close attention desu. I was mostly trying to find DPRK transmissions. If I ever make it back there I will be sure to take my set up so I won't have to mess around with other people's set up.

Anonymous ID:uHo9cp3c Sat 19 Dec 2020 17:42:18 No.297590258 Report

Quoted By: >>297593054

>>297588104
do you have a furnace? i'm a hobbyist foundry but i only mess with bronze

---

Anonymous ID:WHz0xWZl Sat 19 Dec 2020 17:42:50 No.297590329 Report

>>297566186
where are you stationed currently and are you a nigger?

Anonymous ID:+UIh+o0E Sat 19 Dec 2020 17:43:03 No.297590355 Report

This thread deserves an archive

Anonymous ID:muoq1W8g Sat 19 Dec 2020 17:43:59 No.297590478 Report

Quoted By: >>297604083

>>297587194
I am quite familiar with the KiwiSDR and considered purchasing one myself, but I prefer the SDRsharp interface more and know that I use that for webSDR I don't really mess with KiwiSDR anymore.

Anonymous ID:n3A8OveG Sat 19 Dec 2020 17:44:56 No.297590619 Report

Quoted By: >>297591756

>>297566186

bruh....Im 2A8...loose lips sink ships man....

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 17:53:28 No.297591756 Report

Quoted By: >>297599125

>>297590619
This is all publicly available info, he's not breaking OPSEC, just confirming info that we had before. Do you think I'd post in a thread if it broke opsec rules, especially for nuclear forces?

View Same Google iqdb SauceNAO Trace 20201219_202752.jpg, 169KiB, 848x1024

Anonymous ID:CbHtnD8g Sat 19 Dec 2020 17:54:24 No.297591867 Report

Quoted By: >>297592089 >>297592763 >>297593955 >>297594293 >>297603762 >>297613554

Repost because op might be able to answer?

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 17:56:22 No.297592089 Report

>>297591867
Oh I completely forgot about that, but anon might not want to comment. That's something that might actually be breaking opsec. Although any information he *can* give us would be greatly appreciated.

Anonymous ID:rvaCc9ML Sat 19 Dec 2020 18:02:28 No.297592763 Report

>>297591867
I missed that thread, what's this about?

Anonymous ID:otifPUrj Sat 19 Dec 2020 18:05:10 No.297593054 Report

>>297590258

>do you have a furnace
Yeah... I did stupid gains on the stonkmarket this year, so I got 2 furnace thingies... One has a door, and the other has a pit thing... They are both electric and not that big... Maybe a #3 crucible? for the oven one and a 3kg tube for the cylendar one. I have about 6kg of electrode sticks, ingots, and splatters from jewelry and crap dishware for electrorfining ready, but I need to wait for my electrolyte to finish forming before I can start growing silver xtals. Fucking... You're likely to pay a bit more than the spot price on egay for sterling, but hand-poured bars are somehow selling well over spot. I think that a lot of people are buying .925 ingots for jewelery making, because it's cheaper than ordering it from 'Le Vender Officiale'.
I wouldn't mind doing that myself, but I want it to be fully pure and recombined, as both a selling point, and to harvest whatever trace amounts of precious metals that were somehow in the mix.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 18:12:28 No.297593955 Report
Quoted By: >>297604083

>>297591867
>>297591867
Well, it's true, there are beacons in the seats themselves. Occasionally they go off by accident during maintenance. That is all public knowledge.

It isn't uncommon though for the AF to prevent the local PD from participating in a search though. When an aircraft goes down or something similar occurs, the government can designate the area a national defense zone. This could be for any number of reasons. Sometimes, if the land is private and the land owner doesn't want people on the land the government will make that designation so they can boss and recover the aircraft.

There are some VERY nasty chemicals on an F-16...google hydrazine...also, while it isn't common for an aircraft to go on a training mission with live ordinace, it does happen. Pilots still have to maintain quals with weapons. Also...what are we calling "live ordinance?" 20mm target practice ammo is 1.4...so itnit "live" but isn't going to detonate per se.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 18:15:05 No.297594293 Report
Quoted By: >>297604083

>>297591867
There also, legitimately, could have been SOMETHING (I don't know what) classified on it as well. I'm just saying that the PD aspect isn't necessarily abnormal and this wpuld be another reason for that.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 18:20:33 No.297594997 Report
Quoted By: >>297604083

>>297587194
Oh...I just saw that part about pirate radio!

View Same Google iqdb SauceNAO Trace 1594562368701.png, 314KiB, 512x512

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 18:27:54 No.297595912 Report
Quoted By: >>297596300 >>297596417 >>297596802

>>297566186
Bump for effort.

Anonymous ID:IEypS1Px Sat 19 Dec 2020 18:30:57 No.297596300 Report

>>297595912
Seconded. Have a Bump.

View Same Google iqdb SauceNAO Trace 1586041082389.jpg, 212KiB, 1024x1024

AUGUST 10, 2016
LET'S CALL IT A NIGHT

Anonymous ID:u9bZQ/55 Sat 19 Dec 2020 18:31:50 No.297596417 Report
Quoted By: >>297597319

>>297595912
bump

View Same Google iqdb SauceNAO Trace BW the Challenger.jpg, 12KiB, 124x136

Anonymous ID:RD1z30hf Sat 19 Dec 2020 18:34:42 No.297596802 Report

>>297595912
Thank you, LB.
Going in to see what's up....

View Same Google iqdb SauceNAO Trace 1590153353798.png, 1MiB, 791x1203

Anonymous ID:RD1z30hf Sat 19 Dec 2020 18:38:30 No.297597319 Report

>>297596417
Oh, wow. Your patch!
F.

View Same Google iqdb SauceNAO Trace 1604898184905.gif, 184KiB, 112x112

Anonymous ID:BjkKPHSv Sat 19 Dec 2020 18:42:11 No.297597813 Report

>>297566186
WE

View Same Google iqdb SauceNAO Trace noaa18.12.19.2020.pm.1.jpg, 1MiB, 2080x1483

Anonymous ID:xxG+TKov Sat 19 Dec 2020 18:45:08 No.297598181 Report

This thread is still up so I am going to share the images is just got from NOAA 18 as it passed overhead. starting with the raw and moving on to more processed images

---

View Same Google iqdb SauceNAO Trace NORAD.jpg, 196KiB, 550x807

Anonymous ID:6tuqXZ2K Sat 19 Dec 2020 18:45:59 No.297598285 Report

Quoted By: >>297598536 >>297599293

USAF GHFCS legacy callsigns

SKYKING - collective callsign for any STRATCOM SIOP (nuke aircraft / nuke missile silo) on frequency
SKYBIRD collective callsign for any Strategic Air Command (STRATCOM) asset, nuke or not
SKYMASTER collective callsign for ABNCP/TACAMO/Looking Glass
MAINSAIL - open request for service from any Global HF System station (all stations) able to hear MAINSAIL broadcast

SIOP (not a callsign) Single Integrated Operational Plan means strategic nuke GO/NOGO/RECALL directives. USAF GHFCS EAMs primarily intended for Air Force nuke assets, not Naval nuke (because a nuke sub doesn't surface and raise a 40' HF mast during a nuclear attack to listen for EAMs).

Network inactive for routine spoken EAMs last year. Maintained only for standby / last resort. Nuke directives are all encrypted sat stuff today.

View Same Google iqdb SauceNAO Trace noaa18.12.19.2020.pm.2.jpg, 1MiB, 2080x1483

Anonymous ID:xxG+TKov Sat 19 Dec 2020 18:46:00 No.297598288 Report

Quoted By: >>297601816 >>297606521

number two with maps

View Same Google iqdb SauceNAO Trace noaa18.12.19.2020.pm.3.jpg, 903KiB, 1040x1483

Anonymous ID:xxG+TKov Sat 19 Dec 2020 18:47:15 No.297598465 Report

number three this time with some false color applied to the IR images

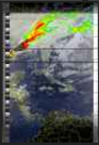
---

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 18:47:47 No.297598536 Report

Quoted By: >>297602925 >>297603943

>>297598285
Tell me about Skymaster and looking glass?
What are they looking for?
https://altcensored.com/watch?v=Q2XFRPUB63w

View Same Google iqdb SauceNAO Trace noaa18.12.19.2020.pm.4.jpg, 931KiB, 1040x1483



Anonymous ID:xxG+TKov Sat 19 Dec 2020 18:48:08 No.297598585 Report

and finally four with the precipitation visible. hope you folks are enjoying the rain

---

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 18:49:00 No.297598695 Report

Quoted By: >>297599424

>>297582401
> I already track aprs, adsb, flex and pocsag pagers, and of course weather satellites in LEO.
So you have access to the ADSB API?

Anonymous ID:muoq1W8g Sat 19 Dec 2020 18:52:21 No.297599125 Report

Quoted By: >>297604083

>>297591756
Thanks! I will never post anything that is classified here!

Anonymous ID:YdlgjP5/ Sat 19 Dec 2020 18:53:32 No.297599285 Report

Quoted By: >>297599771

>>297566186

Hi nerdanon.

I have just got two Baofeng UV-5R.

What fun can I do with these? Can I broadcast messages on FM? Talk to Burger King Drive Thru?

Give me some of your guinnessesss..

/thedanish

Anonymous ID:muoq1W8g Sat 19 Dec 2020 18:53:35 No.297599293 Report

Quoted By: >>297604083

>>297598285
Excellent post. Thank you anon!

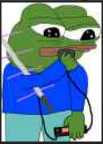
Anonymous ID:xxG+TKov Sat 19 Dec 2020 18:54:32 No.297599424 Report

Quoted By: >>297600018

>>297598695
for adsbexchange? I have not played around with them much. I used too feed data to flightaware for the mlat but don't bother anymore.
I just load up the program locally when I feel like seeing what is going on above my head.
usually when the sheriff has a helicopter in the air looking for someone

---

View Same Google iqdb SauceNAO Trace hampepe.png, 39KiB, 647x889



Anonymous ID:xxG+TKov Sat 19 Dec 2020 18:57:21 No.297599771 Report

Quoted By: >>297600628

>>297599285
Have fun anon
http://www.bearcat1.com/fastfood.htm
I think this is all US though

View Same Google iqdb SauceNAO Trace ilied.png, 125KiB, 295x280

I lied, I don't have netflix
Take off your shoes, we're gonna listen to Russian numbers stations on shortwave radio

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 18:59:00 No.297600018 Report

Quoted By: >>297600328

>>297599424
> usually when the sheriff has a helicopter in the air looking for someone
Old/pol/ isn't dead yet.
My hardware is arriving in a few days. Really want access to the API and see if I can put together some decent ML solution with it.
Also have a HackRF. Although purchased for a different reason, do you think there's anything fun and plane related I could do with it?

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:01:14 No.297600328 Report

Quoted By: >>297600621

>>297600018
you could spoof an adsb signal and make you local air traffic control worry a bit when phantom planes start to pop up
hell you could spoof just about any signal and really terrify some people if you were so inclined.
its a good bit of kit to have when the shit hits the fan

View Same Google iqdb SauceNAO Trace LAUGHS IN SKYKING.png, 636KiB, 838x458

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:03:38 No.297600621 Report

Quoted By: >>297602256 >>297602615 >>297613390

>>297600328
The keks to be had here. Can already see the headlines.
> Nuclear capable plane enters Lux air space and does not respond
> Update: Appears as if the signal comes from a basement
> Update: Autistic neet arrested

Anonymous ID:YdlgjP5/ Sat 19 Dec 2020 19:03:41 No.297600628 Report

Quoted By: >>297601196 >>297601244

>>297599771

Nice! Thanks anon!

Any other pro-tips they can be used for?

If feel evil when trolling the amateur radio boomers - they're so passionate about their radio license and all, so I just listen in on them like a good stalker. Sometimes confusing them with their callsigns. Yesterday I learned that "beginner Claus" had died. Today they got mad because some local alcoholic "Henrik" tried to join in, who apparently aren't welcome.. they know each other by name - it's like listening to a radio station for grannies in another universe that talk about weird shit and death and have to go pee every 5 minute.

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:06:53 No.297601017 Report

Quoted By: >>297601766

>>297566556
> Pipe hitters on the ground utilize spread spectrum (frequency hopping) UHF satcom that sounds like this
Is there a foolproof way of identifying a spread spectrum transmission?
Anything besides a spectrum analyzer to be used here?

View Same Google iqdb SauceNAO Trace foxhunt.png, 751KiB, 512x734

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:08:21 No.297601196 Report
Quoted By: >>297601913

>>297600628
Most fast food has probably moved to digital stuff so you might not have much luck but some places still use the older equipment.
and with respect to the boomers yeah they will hunt your ass down if you fuck with their repeaters so make sure to hop in a car when you troll them so they can't get a fix on your location.
>it's like listening to a radio station for grannies in another universe that talk about weird shit and death and have to go pee every 5 minute.
very much and they keep everything unoffensive and not political so its always the more sanitized and boring of conversations.

Anonymous ID:YdlgjP5/ Sat 19 Dec 2020 19:08:45 No.297601244 Report

>>297600628

It's like /pol for people over 90s. One of them said he was 84 and so afraid of Coronavirus that he would rather sit alone Christmas Eve than having his sons over. Kind of ironic because ten minutes later he talks about all the adapters and antennas he's going to purchase which apparently isn't dangerous. Listening in on boomer-radio is worth the investment of a Baofeng in and off itself.

Anonymous ID:IfOWYgHs Sat 19 Dec 2020 19:09:48 No.297601374 Report

>>297566186
Great bread. Thanks anon.

Anonymous ID:bilbZxdo Sat 19 Dec 2020 19:11:11 No.297601553 Report

You forgot MLAT, or I missed it, which is a sort of triangulation to give estimated coordinates of an aircraft.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 19:13:08 No.297601766 Report
Quoted By: >>297602026 >>297604083

>>297601017
That sample was pulled from an SDR...with a bit of experience and time, you can tell what a lot of signals are just by what they look like. Is this what you are asking?

Anonymous ID:CbHtnD8g Sat 19 Dec 2020 19:13:31 No.297601816 Report
Quoted By: >>297602505

>>297598288
What am I looking at here

Anonymous ID:YdlgjP5/ Sat 19 Dec 2020 19:14:19 No.297601913 Report
Quoted By: >>297602557

>>297601196

>Most fast food has probably moved to digital stuff so you might not have much luck but some places still use the older equipment.

Is it possible to buy a digital radio? Or is that next level skyking shit?

>and with respect to the boomers yeah they will hunt your ass down if you fuck with their repeaters so make sure to hop in a car when you troll them so they can't get a fix on your location

These people are indeed serious about their radio conversations. But the worst these people can do is to run me over with their trolley. But i actually enjoy listening to them - they're clinging on to this death technology and are still so passionate about it.

How difficult is it for them to trace you? And can they see who's listening?

View Same Google iqdb SauceNAO Trace file.png, 86KiB, 1645x205

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:15:07 No.297602026 Report

>>297601766
Checked.
Yeah that's pretty much it, thanks.

View Same Google iqdb SauceNAO Trace gpredict.png, 381KiB, 641x776

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:17:02 No.297602256 Report

Quoted By: >>297602808 >>297603161

>>297600621
i totally forgot to mention the one really awesome thing you can do if you have a transmitter and actually have a license. all i do is listen which is still cool but still
you can bounce signals off one of the amsat birds.
https://www.amsat.org/
There are many floating around earth right now that you can use, once they lass overhead, to talk to people. Basically you can communicate with anyone in the footprint of the satellite which is a huge area.
or you can just download the telemetry data like I do.
I have listened to people in Florida talk to those in South America. Nifty stuff if you ask me.

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:19:03 No.297602505 Report

>>297601816
an image of the earth recently pulled from NOAA 18 as it passed over Florida. Since its night time you have two different images generated from its IR cameras.
>How difficult is it for them to trace you? And can they see who's listening?
not difficult it just takes times but for retired boomers they have plenty of it. If you transmit from the same location all the time they will find you.
they can't tell who is listening so you are safe as long as you don't transmit.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 19:19:28 No.297602557 Report

Quoted By: >>297602960 >>297603161 >>297604083

>>297601913
You can't "see" who is listening, but if you bossed around long enough someone with hobby level experience could fimd you.

https://forums.radioreference.com/forums/radio-direction-finding-forum.139/

There are people that do that just for fun.

Anonymous ID:Hh5hUhTU Sat 19 Dec 2020 19:19:58 No.297602615 Report

>>297600621
I used to work on the other aircraft on that flightline. RC-135s. Loved the missions.

View Same Google iqdb SauceNAO Trace file.png, 168KiB, 1070x450

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:21:29 No.297602808 Report

>>297602256
> The IPS (Interpreter for Process Structures) programming language was specifically written for the RCA 1802 AMSAT Phase III satellite
> The IPS threaded code language, developed for AMSAT Phase III, is the first known use of a high-level language on board a spacecraft
> Another 16-bit IPS implementation was specifically developed to run on the ARM CPU in the IHU-2 on the AMSAT P3D.
How fucking cool is that?
How much throughput can it handle?
Could it be used to extend private networks and extend private networks?

View Same Google iqdb SauceNAO Trace Meow.jpg, 56KiB, 469x630

Anonymous ID:6tuqXZ2K Sat 19 Dec 2020 19:22:32 No.297602925 Report

>>297598536
>Tell me about Skymaster and looking glass?
>What are they looking for?

SKYMASTER means any USAF strategic command and control aircraft that's listening

LOOKING GLASS was a cold war mission to keep at least one US AirBoNe Command Post (ABNCP) aircraft airborne 24x7 during the in case of sneaky Soviet or Chicom nuke attack. They would be the ones issuing EAMs to, say, B-52s to 'glass Beijing' or whatever. Originally modified 707s, later a fleet of dedicated EC-135s up until 1998. Today, LOOKING GLASS uses Navy E-6B TACAMO. Now with new and improved Airborne Launch Control System. They can launch siloed LGM-30 Minuteman if necessary - all of them. Mostly at nests of filthy, cheating DNC Zio-Bolsheviks.

Anonymous ID:rReWt589 Sat 19 Dec 2020 19:22:51 No.297602960 Report

>>297602557
caught the tail end of the raptor incident back in may on my pro-162 believe it or not.

Anonymous ID:ruamB+Kj Sat 19 Dec 2020 19:23:50 No.297603068 Report

>>297566186
Based OP clearing up misconceptions and shit.

View Same Google iqdb SauceNAO Trace 1608225159413.gif, 2MiB, 143x134

Anonymous ID:YdlgjP5/ Sat 19 Dec 2020 19:24:38 No.297603161 Report

Quoted By: >>297603757

>>297602256

Wow, thanks.. I'll give that a go, with a license of course.. in minecraft.

Tried to call the spacestation on all sorts of frequencies i found on Google but they didn't answer. It was when it was within range. Might have to buy a better antenna or something.

>>297602557
Thanks, nice to know - don't need boomers stalking me in my nest. I always knows when they're on because the admin use this weird morse signal randomly when he's on.

Anonymous ID:fYiYa9E/ Sat 19 Dec 2020 19:24:59 No.297603201 Report

>>297566186
Holy shit I never realized how big the reaper is.

Anonymous ID:mrgFIV8m Sat 19 Dec 2020 19:28:32 No.297603616 Report

Quoted By: >>297603886

>>297585203
Airspy and Youloop, no?

View Same Google iqdb SauceNAO Trace issstvsample.jpg, 226KiB, 640x496

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:29:27 No.297603757 Report

Quoted By: >>297605013

>>297603161
there is not always some on the ISS who is on the ham radio. they have scheduled times when they man the radio.
what you can do is bounce an APRS signal off the ISS to test to see if your equipment is working. That is automate
https://amsat-uk.org/beginners/how-to-work-the-iss-on-aprs-packet-radio/
you can also look in to SSTV (slow scan tv)
they will have events every so often where if you listen to the ISS as it passes overhead you can receive cool little images if

you have the software to decode the signal
https://amsat-uk.org/beginners/iss-sstv/

View Same Google iqdb SauceNAO Trace 46.0812599,-86.5539288.jpg, 1MiB, 2252x1689

Anonymous ID:qH3Fvv6F Sat 19 Dec 2020 19:29:27 No.297603762 Report

Quoted By: >>297605575 >>297607188

>>297591867

All fields ID:KR7JjtAa Sat 19 Dec 2020 19:29:37 No.297603775 Report

Quoted By: >>297604088

>>297582401
Is there any further reading on the LEO weather sats?

Anonymous ID:ExznWYHj Sat 19 Dec 2020 19:30:16 No.297603858 Report

Bump

Anonymous ID:muoq1W8g Sat 19 Dec 2020 19:30:29 No.297603886 Report

Quoted By: >>297604083 >>297604593

>>297603616
Correct! Good eye. The SDR was about $170 and the antenna was around $40.

View Same Google iqdb SauceNAO Trace FUUUUUUuuuk.jpg, 8KiB, 249x203

Anonymous ID:6tuqXZ2K Sat 19 Dec 2020 19:30:52 No.297603943 Report

>>297598536
>What are they looking for?

Mushroom clouds rising above American cities back in the day, but the mission evolved to more of an ABNCP / ALCS primary focus.

View Same Google iqdb SauceNAO Trace another cia nigger.jpg, 344KiB, 690x800

Anonymous ID:X3v/uMtJ Sat 19 Dec 2020 19:32:06 No.297604083 Report

>>297566186
>>297566312
>>297566383
>>297566488
>>297566556
>>297566626
>>297566701
>>297566782
>>297566864
>>297569846
>>297570205
>>297572440
>>297578201
>>297578607
>>297579263
>>297581831
>>297582653
>>297582763
>>297583695
>>297584874
>>297585203
>>297586172
>>297586547
>>297589900
>>297590173

>>297590478
>>297593955
>>297594293
>>297594997
>>297599125
>>297599293
>>297601766
>>297602557
>>297603886
t.

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:32:08 No.297604088 Report

>>297603775
You can start here
https://www.rtl-sdr.com/rtl-sdr-quick-start-guide/
this site has links to plenty of guides. Its really easy as long as you have a usb sdr card and an external antenna

---

Anonymous ID:YlcQY04P Sat 19 Dec 2020 19:33:16 No.297604213 Report

>>297566186
Those things are a lot bigger than I thought they were.

View Same Google iqdb SauceNAO Trace FB IMG 1608310596121.jpg, 72KiB, 1080x1079

i wish all
Garlic
Bread
Enthusiasts
a very
pleasant
evening

Anonymous ID:muoq1W8g Sat 19 Dec 2020 19:34:49 No.297604402 Report
Quoted By: >>297604551 >>297604680 >>297605183

Hey...before the bread goes away...I just want to thank everyone who posted. I didn't expect my bread to last this long...

Thank you anons!!!

View Same Google iqdb SauceNAO Trace file.png, 243KiB, 680x568

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:36:01 No.297604551 Report

>>297604402
(Your) bread is here to stay.

Anonymous ID:mrgFIV8m Sat 19 Dec 2020 19:36:22 No.297604593 Report
Quoted By: >>297604961

>>297603886
I have the full complement. Long time radio nerd. We probably know each other off this board.

Anonymous ID:9XaBVgCW Sat 19 Dec 2020 19:36:53 No.297604680 Report

>>297604402
thanks for sharing anon

Anonymous ID:ZDPNlsAZ Sat 19 Dec 2020 19:37:32 No.297604761 Report
Quoted By: >>297605144

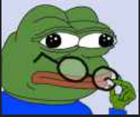
>>297566186
Thanks for making this thread. I just got into listening for SkyKangz after reading the usual threads for so long. Is HFGCS the only place to listen for military specific air traffic?

Anonymous ID:bilbZxdo Sat 19 Dec 2020 19:39:07 No.297604961 Report

>>297604593

Probably more than a few of us here that have met on other discords/groups that are radio/sdr related. Super fun hobby...so much to hear.

View Same Google iqdb SauceNAO Trace 1608073916859.jpg, 48KiB, 792x658



Anonymous ID:YdlgjP5/ Sat 19 Dec 2020 19:39:33 No.297605013 Report

Quoted By: >>297605285 >>297605363

>>297603757

Thanks for sharing your knowledge. I'll give it a go again another day. First I'll need to learn how to connect to those amsat sattelites so I can spread the wisdom of 4chan through the airwaves.

Does seem like I'm in over my head, but I'm not stopping until I get ISS to confirm that space is fake

---

Anonymous ID:muoq1W8g Sat 19 Dec 2020 19:40:48 No.297605144 Report

>>297604761
More or less. This is really just for coordination. Mil aircraft still have to follow all the regular rules though for international air travel. Here are some international ATC frequencies. You could definitely hear mil aircraft on them. These are all civilian operated though.

https://wiki.radioreference.com/index.php/MWARA

Anonymous ID:gThTQyqG Sat 19 Dec 2020 19:41:00 No.297605176 Report

>>297566186
>>297566312
>>297566383
>>297566488
>>297566556
>>297566626
>>297566701
>>297566782
>>297566864

fuck off i am not reading your life story, god damn

Anonymous ID:9GQVxgw9 Sat 19 Dec 2020 19:41:04 No.297605183 Report

Quoted By: >>297606284

>>297604402
You're welcome anon! Thanks for making this thread, you've really shed some light on this stuff. I'll probably end up making an infograph or at the very least make sure your thread is linked for every skyking thread going forward.

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:41:52 No.297605285 Report

>>297605013
> Does seem like I'm in over my head, but I'm not stopping until I get ISS to confirm that space is fake
This is why I come here.

View Same Google iqdb SauceNAO Trace discone-antenna.png, 252KiB, 500x500

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:42:26 No.297605363 Report

>>297605013
I don't do much but listen but I have used a discone antennta like this to recieve aprs and sstv signals from the ISS and those images from the weather satellites.
if you want to transmit you will need something different.
so as long as you get a good antenna and have a radio you will make it happen

---

View Same Google iqdb SauceNAO Trace WTF (2).png, 12KiB, 533x203

Anonymous ID:6tuqXZ2K Sat 19 Dec 2020 19:42:38 No.297605384 Report

Quoted By: >>297605747

HFGCS is still active and used as OP describes. The only thing that stopped on HFGCS last year was occasional simulcast voice/code nuke EAMs (mostly tests) over this network. EAMs of some form still exist, we just can hear them anymore on HFGCS. Bastards!

Anonymous ID:qH3Fvv6F Sat 19 Dec 2020 19:44:05 No.297605575 Report

Quoted By: >>297606443

>>297603762
file name

Anonymous ID:6tuqXZ2K Sat 19 Dec 2020 19:45:18 No.297605747 Report

FFffff...

>>297605384
CAN'T hear them anymore.

View Same Google iqdb SauceNAO Trace file.png, 279KiB, 1146x621

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:49:29 No.297606284 Report

>>297605183
> I'll probably end up making an infograph
DO IT
> or at the very least make sure your thread is linked for every skyking thread going forward.
Already archived.

View Same Google iqdb SauceNAO Trace file.png, 47KiB, 597x253

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:50:49 No.297606443 Report

Quoted By: >>297606903

>>297605575
Yes?
https://twitter.com/Mareq16/status/1336598321230704641

Anonymous ID:haitDgbW Sat 19 Dec 2020 19:51:11 No.297606490 Report

former 2a spec here.. What this guy said is mostly true. Biggest takeaway is you are not goin to hear anything significant over waves that isnt digitally encrypted.

Anonymous ID:kxaFCLlj Sat 19 Dec 2020 19:51:25 No.297606521 Report

Quoted By: >>297607093 >>297607991

>>297598288

Good job anon. I guess you have watched the youtube guy explaining how to retrieve these sort of image with a homemade antenna, right ?

Anonymous ID:YjVTgcgU Sat 19 Dec 2020 19:52:00 No.297606576 Report

>>297566556
>3. Anything from a simple radio check to the outbreak of nuclear war…either way we won't know until it's WAY too late.
>What will we NOT hear on HFGCS?
>1. Really anything past a bunch of numbers and letters unless you find a discreet frequency and a phone patch.
>2. Stuff like "LAUNCH ALL MISSILES!"

kill yourself

Anonymous ID:MJwXosFE Sat 19 Dec 2020 19:53:00 No.297606712 Report

>>297566186
Why do niggers have to ruin every picture they're in? Also, lol @ there was no reddit spacing until your line about inb4ing

---

Anonymous ID:qH3Fvv6F Sat 19 Dec 2020 19:54:23 No.297606903 Report

Quoted By: >>297607188

>>297606443

Picture taken there yesterday

View Same Google iqdb SauceNAO Trace QFH r.jpg, 112KiB, 900x1600

Anonymous ID:xxG+TKov Sat 19 Dec 2020 19:55:57 No.297607093 Report

Quoted By: >>297607799 >>297608964

>>297606521
yeah you can and its really simple.
a qfh like this guys will get you the best signal but I am lazy and use a standard discone, i really need to build the better style.
anyways you just record the audio as the satellite passes overhead and feed that audio in to a program to decode and bam.
here is the program I use
https://wxtoimgrestored.xyz/

View Same Google iqdb SauceNAO Trace supahfrenzassembi.jpg, 70KiB, 512x512

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 19:56:42 No.297607188 Report

Quoted By: >>297607786 >>297611965

>>297606903
>>297603762
> No hash matches
https://archive.4plebs.org/pol/search/image/zvWNVtvZGn38mSdVKdIoRQ/
Oh shit.
Guys? what does this mean?

View Same Google iqdb SauceNAO Trace unnamed.jpg, 42KiB, 441x512

Anonymous ID:3yPIXJNi Sat 19 Dec 2020 19:57:11 No.297607255 Report

>>297566186

MAXIMUM SKCHIZO

View Same Google iqdb SauceNAO Trace 1508198536972.jpg, 59KiB, 960x960

Anonymous ID:IEypS1Px Sat 19 Dec 2020 20:01:43 No.297607786 Report

Quoted By: >>297608341

>>297607188
Checked for hell if I know, but sure want to find out.

Anonymous ID:mrgFIV8m Sat 19 Dec 2020 20:01:49 No.297607799 Report

>>297607093
Tall boy there. I make mine about half as tall.

Anonymous ID:kxaFCLlj Sat 19 Dec 2020 20:03:32 No.297607991 Report

Quoted By: >>297608964 >>297609632

>>297606521

Must admit, i was always tempted to do radio stuff. Buying a HackRF and do some shit with it. But i'm a bit scared of wasting my money on something that will be fun for one or two day, then forget about it.

View Same Google iqdb SauceNAO Trace file.png, 722KiB, 638x634

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 20:06:23 No.297608341 Report

Quoted By: >>297609601

>>297607786

This is how it looks on Gmaps unless I messed up the coords

Anonymous ID:kreahmPm Sat 19 Dec 2020 20:07:34 No.297608488 Report

Quoted By: >>297608867

Cool post bro, word of advice, stop saying “hella” so much.

View Same Google iqdb SauceNAO Trace C83A9436-1B7D-4E55-A503-42433FBA (...).jpg, 1MiB, 1515x981

Anonymous ID:BsoKWkSt Sat 19 Dec 2020 20:10:09 No.297608837 Report

Quoted By: >>297609056

AMATEUR radio is not spelt 'amature', so if this pro boi was truthing after 20 years... I call BS!

Anonymous ID:muoq1W8g Sat 19 Dec 2020 20:10:25 No.297608867 Report

>>297608488

CHECKED...I'll try...

Anonymous ID:kxaFCLlj Sat 19 Dec 2020 20:11:10 No.297608964 Report

>>297607991
>>297607093

fucking failed my post

Anonymous ID:muoq1W8g Sat 19 Dec 2020 20:11:57 No.297609056 Report

>>297608837

Okay...so it's a typo. I'm bad at spelling and a victim of spell check. This isn't English class.

Anonymous ID:qH3Fvv6F Sat 19 Dec 2020 20:16:34 No.297609601 Report

Quoted By: >>297609873

>>297608341

That's close. Area was logged off around ten years ago, around the same time that your Gmap pic is from

---

View Same Google iqdb SauceNAO Trace 0901NOAA15HVCT.jpg, 348KiB, 1040x763

Anonymous ID:xxG+TKov Sat 19 Dec 2020 20:16:51 No.297609632 Report

>>297607991

yeah interest can come and go over time, i get that, but once you have it set up and running you are good to go.
with the weather stuff its great because if you experience a hurricane or something you get some awesome pictures
like this one I got from 2019. that is enough to always rekindle my interest

---

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 20:18:37 No.297609873 Report

Quoted By: >>297610418 >>297610705

>>297609601

Does the picture give the impression of a regular crash, as reported or do we have to call in forensics?

Anonymous ID:j0bY2rr6 Sat 19 Dec 2020 20:23:08 No.297610418 Report

Quoted By: >>297610779

>>297609873

Obviously not normal

Anonymous ID:h0RzCkoh Sat 19 Dec 2020 20:25:02 No.297610634 Report

Quoted By: >>297611224

>>297566186
Are Ayy lmao's real, in your experience?

What are the odds?

Yes or no, to secret ayy technology or secret ayys?

Anonymous ID:qH3Fvv6F Sat 19 Dec 2020 20:25:41 No.297610705 Report

Quoted By: >>297611904

>>297609873
Just one of many such holes at that site

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 20:26:12 No.297610779 Report

>>297610418
Fine. I'll bake.

View Same Google iqdb SauceNAO Trace cuteCreature.jpg, 67KiB, 351x327

Anonymous ID:RD1z30hf Sat 19 Dec 2020 20:26:35 No.297610828 Report

Quoted By: >>297611431

>>297566186
This looks like an Interesting, informative thread idea, OP.
Kudos
Jumping onboard to listen.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 20:29:46 No.297611224 Report

>>297610634
I've seen some wierd...very wierd...stuff on deployments on live feeds. I wish I could tell you definitively one way or the other. For what it's worth I've watched the X Files non stop since the mid 90s. So sure, I'm sure they exist.

Anonymous ID:muoq1W8g Sat 19 Dec 2020 20:31:26 No.297611431 Report

>>297610828
Thanks, mate. Any questions?

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 20:35:04 No.297611904 Report

>>297610705
>>297611362

Anonymous ID:wRvEqxWp Sat 19 Dec 2020 20:35:09 No.297611914 Report

Quoted By: >>297613624

>>297566626
>>297566701
>>297566782
>>297566864
TL:DR
Planefaging 101
>>297566186
>>297566312
>>297566383
>>297566488
>>297566556
TL:DR
Skyking WTF, doesn't matter you don't have the key.

Nice info.

IYAOYAS, tweeks can be ok though.

Anonymous ID:hImpBfHp Sat 19 Dec 2020 20:35:38 No.297611965 Report

Quoted By: >>297613652

>>297607188
Well, does it look like a plane crash?

Anonymous ID:otifPUrj Sat 19 Dec 2020 20:47:21 No.297613390 Report

>>297600621
There are a couple videos on that.

View Same Google iqdb SauceNAO Trace linwood.jpg, 338KiB, 1080x1144

Anonymous ID:IQsGWR86 Sat 19 Dec 2020 20:48:48 No.297613554 Report

Quoted By: >>297613652

>>297591867
thats where they were holding Epstein

https://archive.4plebs.org/pol/thread/285091385/#285093654

Anonymous ID:muoq1W8g Sat 19 Dec 2020 20:49:27 No.297613624 Report

>>297611914
Wow...you were much more succinct than I could ever be...excellent post...

Anonymous ID:Fp+SyWq0 Sat 19 Dec 2020 20:49:37 No.297613652 Report

>>297611965
>>297613554
Migrate frens
>>297611362

Subject
Name
E-mail
Password

>>297566186

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